

Atty Docket No.: JCLA5184-R

Serial No.: 09/417,497

AMENDMENTS TO THE CLAIMS

Claims 1-16 (canceled)

Claim 17. (re-presented - formerly dependent claim 2) A method implemented on a user interface incorporated in a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program; the method comprising the steps of:

reading a set of default image processing settings into the user interface;

B1 activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include automatic cutting; and based on the image qualities of the original document, specifying a set of suited image processing settings for optimal scan of the original document; and

activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 18. ² (re-presented - formerly dependent claim 3) A method implemented on a user interface incorporated in a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program; the method comprising the steps of:

reading a set of default image processing settings into the user interface;

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activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

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activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include distortion correction; and based on the image qualities of the original document, specifying a set of suited image processing settings for optimal scan of the original document; and

activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

Claim 19. ³ (re-presented - formerly dependent claim 4) A method implemented on a user interface incorporated in a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program; the method comprising the steps of:

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reading a set of default image processing settings into the user interface;

activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

B) activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include color calibration; and based on the image qualities of the original document, specifying a set of suited image processing settings for optimal scan of the original document; and

activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 20. (re-presented - formerly dependent claim 5) A method implemented on a user interface incorporated in a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program; the method comprising the steps of:

reading a set of default image processing settings into the user interface;

activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

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activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include automatic character recognition; and based on the image qualities of the original document, specifying a set of suited image processing settings for optimal scan of the original document; and

activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 21. (re-presented - formerly dependent claim 10) A user interface for use on a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program;

the user interface comprising:

means for reading a set of default image processing settings;

means for activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

means for activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include automatic cutting; and based on the image qualities of the

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original document, obtaining a set of suited image processing settings for optimal scan of the original document; and

means for activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 2⁶. (re-presented - formerly dependent claim 11) A user interface for use on a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program;

the user interface comprising:

means for reading a set of default image processing settings;

means for activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

means for activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include distortion correction; and based on the image qualities of the original document, obtaining a set of suited image processing settings for optimal scan of the original document; and

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means for activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 13. (re-presented - formerly dependent claim 12) A user interface for use on a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program;

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the user interface comprising:

means for reading a set of default image processing settings;

means for activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

means for activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include color calibration; and based on the image qualities of the original document, obtaining a set of suited image processing settings for optimal scan of the original document; and

means for activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.

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Claim 24⁸ (re-presented - formerly dependent claim 13) A user interface for use on a computer system coupled with a scanner for performing an automatic scan operation on an original document, the computer system running a scanner driver and an application program;

the user interface comprising:

means for reading a set of default image processing settings;

means for activating the scanner to perform a primitive scan operation on the original document based on the default image processing settings to thereby obtain a primitive scanned image which is then transferred to the scanner driver;

means for activating the scanner driver to perform a set of image processing routines on the primitive scanned image to thereby obtain the image qualities of the original document, wherein the set of image processing routines include automatic character recognition; and based on the image qualities of the original document, obtaining a set of suited image processing settings for optimal scan of the original document; and

means for activating the scanner to perform a final scan operation on the original document based on the suited image processing settings to thereby obtain a final scanned image which is transferred to the application program for use by the application program.